

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	87237	(retract\$3 pull\$3 (back adj off) recede retreat reverse withdraw (reel adj (back in))) near4 (speed velocity)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/10 10:49
S2	11970	((retract\$3 pull\$3 (back adj off) recede retreat reverse withdraw (reel adj (back in))) near4 (speed velocity)) and (robot\$2 vacuum caterpillar "CAT" (lawn adj mower) deere)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/10 11:12
S3	477	((((retract\$3 pull \$3 (back adj off) recede retreat reverse withdraw (reel adj (back in))) near4 (speed velocity)) with (contact\$3 bump\$3 touch\$3 strik\$3)) and (robot\$2 vacuum caterpillar "CAT" (lawn adj mower) deere)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/10 11:16

S4	139	((retract\$3 pull \$3 (back adj off) recede retreat reverse withdraw (reel adj (back in))) near4 (speed velocity)) with (contact\$3 bump\$3 touch\$3 strik\$3)) and (robot\$2 (vacuum \$4 near2 (robot \$2 vehicle unit)) caterpillar "CAT" (lawn adj mower) deere)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/10 11:18
S5	149	((retract\$3 pull \$3 (back adj off) recede retreat reverse withdraw (reel adj (back in))) near4 (speed velocity)) with (contact\$3 bump\$3 touch\$3 strik\$3 impact \$3)) and (robot \$2 (vacuum\$4 near2 (robot\$2 vehicle unit)) caterpillar "CAT" (lawn adj mower) deere)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/10 11:41
S8	153	((retract\$3 pull \$3 (back adj off) recede retreat reverse withdraw (reel adj (back in)) rocking) near4 (speed velocity)) with (contact\$3 bump \$3 touch\$3 strik \$3 impact\$3)) and (robot\$2 (vacuum\$4 near2 (robot\$2 vehicle unit)) caterpillar "CAT" (lawn adj mower) deere)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/10 15:55

S9	158	((retract\$3 pull \$3 (back adj off) recede retreat reverse withdraw (reel adj (back in)) rocking) near6 (speed velocity)) with ((contact\$3 bump \$3 touch\$3 strik \$3 impact\$3) near3 (obstacle object wall sens \$3 detect\$3 monitor\$3)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/10 17:42
S10	149	S9 not S8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/10 17:42
S11	171	((retract\$3 (pull \$3 adj (away off)) (back\$3 adj (off away)) reced \$3 retreat\$3 revers\$3 withdraw\$3 (reel \$3 adj (back in)) rocking) near6 (speed velocity)) with ((contact\$3 bump\$3 touch\$3 strik\$3 impact\$3) near3 (obstacle object wall sens \$3 detect\$3 monitor\$3)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/10 17:47
S12	162	S11 not S8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/10 17:48

S13	204	(robot\$2) same ((impact\$3 contact\$3 collid \$3 collision bump \$3 touch\$3 strik \$3) near4 (wall object subject obstacle) same ((retract\$3 (pull \$3 adj (away off)) (back\$3 adj (off away)) reced \$3 retreat\$3 revers\$3 withdraw\$3 (reel \$3 adj (back in)) rocking)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/10 18:42
S14	204	S13 not S12	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/10 18:43
S15	63	(robot\$2) same ((impact\$3 contact\$3 collid \$3 collision bump \$3 touch\$3 strik \$3) near4 (wall object subject obstacle) same ((retract\$3 (pull \$3 adj (away off)) (back\$3 adj (off away)) reced \$3 retreat\$3 revers\$3 withdraw\$3 (reel \$3 adj (back in)) rocking)) same (stop\$4 halt\$3 hold\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/10 18:45
S16	487	318/568.16.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/13 09:28

S17	170	318/568.17.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/13 09:29
S18	360	318/568.18.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/13 09:29
S19	57	(S16 S17 S18) and ((speed velocity) with (retract\$3 (pull\$3 adj (away off)) (back\$3 adj (off away)) reced\$3 retreat\$3 revers \$3 withdraw\$3 (reel\$3 adj (back in)) rocking))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/13 09:36
S20	95	(S16 S17 S18) and ((speed velocity) with (impact\$3 collid \$3 collision touch contact\$3 bump \$3 strik\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/13 09:45
S21	12	(S16 S17 S18) and (((speed velocity) near4 (different reduc \$4 less (less adj than))) with (impact\$3 collid \$3 collision touch contact\$3 bump \$3 strik\$3 proximity))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/13 09:47

S22	786	(180/167-171 701/23-26 134/18).ccls. and (((speed velocity)) with (impact\$3 collid \$3 collision touch contact\$3 bump \$3 strik\$3 proximity))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/13 09:56
S23	775	(180/167-171 701/23-26 134/18).ccls. and (((speed velocity)) with (impact\$3 collid \$3 collision touch contact\$3 bump \$3 strik\$3 proximity)) not (S19 S20 S21)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/13 09:56
S24	419	(180/167-171 701/23-26 134/18).ccls. and (((speed velocity)) near5 (impact\$3 collid \$3 collision touch contact\$3 bump \$3 strik\$3 proximity)) not (S19 S20 S21)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/13 09:57
S25	42	(180/167-171 701/23-26 134/18).ccls. and (((speed velocity)) near5 (impact\$3 collid \$3 collision touch contact\$3 bump \$3 strik\$3 proximity)) and ((speed velocity) near4 (retract\$3 (pull\$3 adj (away off)) (back\$3 adj (off away)) reced \$3 retreat\$3 revers\$3 withdraw\$3 (reel \$3 adj (back in))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/13 10:05

		rocking oscillat \$3)) not (S19 S20 S21)				
S26	83	(180/167-171 701/23-26 134/18).ccls. and (((speed velocity)) near3 (different reduction (less adj than) less)) and ((speed velocity) near4 (retract\$3 (pull\$3 adj (away off)) (back\$3 adj (off away)) reced\$3 retreat\$3 revers \$3 withdraw\$3 (reel\$3 adj (back in)) rocking oscillat\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/13 10:11

### EAST Search History (I nterference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S27	0	((travel\$3 adj assembly) and (working adj assembly) and ((left near2 right) near3 direction) and (mov\$3 adj mechanism) and (contact near2 (sensor detector monitor)) and obstacle and retract \$3).clm.	USPAT; UPAD	OR	ON	2009/11/13 10:21

S28	0	((travel\$3 adj assembly) same (working adj assembly) same ((left near2 right) near3 direction) same (mov\$3 adj mechanism) same (contact near2 (sensor detector monitor)) same obstacle same retract\$3).clm.	USPAT; UPAD	OR	ON	2009/11/13 10:22
S29	0	((travel\$3 adj assembly) same (working adj assembly) same ((left near2 right) near3 direction) same (mov\$3 adj mechanism) same (contact near2 (sensor detector monitor)) same obstacle same retract\$3) and (701/23-26 134/18 180/167-171 318/568.16 318/568.17 318/568.18 700/245).ccls.	USPAT; UPAD	OR	ON	2009/11/13 10:24

11/13/2009 12:12:39 PM

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20091110 Self Propelled Working Robot.wsp